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SOURCE Periodical and newspapers as indicated.

BUILD NEW SNOW REMOVER,  
 TOWER CRANES, EXCAVATOR

MACHINE LOADS PEAT, COAL, AS WELL AS SNOW -- Moscow, Mekhanizatsiya Stroitel'stva, Jan 51

The Otktyabr'skaya Kuznitsa Plant has built and tested a new snow-removal machine, the T-105. Built according to designs of the All-Union Scientific Research Institute for Construction- and Road-Machine Building, the machine can be used to load peat and coal as well as snow.

The machine is mounted on a ZIS-150 chassis with a shortened wheel base. It somewhat resembles a gathering-arm type coal loader, having a flat loading head mounted over the drive axle, and a conveyor running from the loading head to the back end of the machine. The operator's cab is mounted to one side of the loading head.

The machine was tested on coal loading, and performed satisfactorily.

Specifications:

Productivity

Snow (cu m/hr)	200
Coal (m/hr)	120

Elevation of loading head (mm)

Above ground level	750
Below ground level	100

Maximum height of conveyor trough end (mm)	3,150
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Machine's working speed, with motor making 1,100 rpm (km/hr)	
First speed	0.405
Second speed	0.762
Third speed	1.33
Fourth speed	2.53
Traveling speed (km/hr)	up to 40
Speed of conveyer chain (m/sec)	1.1
Complete cycles of gathering arms per minute	up to 45
Over-all dimensions (mm)	10,050 x 2,770 x 2,690
Weight of machine (kg)	7,400

TURN FROM MANUFACTURE OF BEDS TO CRANES -- Moscow, Vechernyaya Moskva,  
7 Apr 51

The Moscow Tower Crane Plant once manufactured beds. It took 3 years to convert to the production of cranes, and the plant now supplies them to builders in the capital and other cities. The plant recently put out its hundredth mechanism. With its production rate continually increasing, the plant's output for this year should be five times greater than in 1948.

The plant recently put out a new machine, the SEK-1-50, equipped with a boom which can be raised or lowered and rotated about the crane's vertical axis at the same time. The machine has worked well on tests, showing high maneuverability and a 30-40 percent greater productivity than the usual type.

This year will see the production of the first consignment of new tower cranes, designed for the construction of 10-20 story buildings.

Moscow, Vechernyaya Moskva, 19 Apr 51

The Moscow Tower Crane Plant went into production after the war, and began building tower cranes in 1947. Since then the plant has done well, meeting the Five-Year Plan in 3 years, 6 weeks. Extensive mechanization cut labor consumption in manufacture 2½ times, while over-all production costs have been reduced 32 percent. Tower cranes from the plant are at work on the construction of housing projects in Leningrad, Kiev, Tallin, and other cities.

PLEDGE HUNDREDTH EXCAVATOR FOR MAY DAY -- Kiev, Pravda Ukrainy, 11 Apr 51

Machine shop No 8 of the Novo-Kramatorsk Plant imeni Stalin has pledged to complete its hundredth ESh-1 excavator by 1 May.

Vil'nyus, Sovetskaya Litva, 30 May 51

The Novo-Kramatorsk Plant imeni Stalin has completed the assembly of a new walking excavator, the ESh-4-40, which has a bucket of 4 cubic meters' capacity and a 40-meter boom. It has a pneumatic control system. Productivity amounts to 20 carloads of earth per hour.

PUT OUT NEW CRAWLER-MOUNTED MODEL -- Moscow, Komsomol'skaya Pravda, 27 Apr 51

The Leningrad Excavator Plant is putting out a new crawler-mounted power shovel, the E-257.

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MAKE PUMPS FOR EXCAVATORS -- Kiev, Pravda Ukrainy, 10 Apr 51

The Khar'kov Hidroprivod Plant makes hydraulic pumps for walking excavators. Each excavator requires six of these pumps. They operate automatically, and have a productivity of 200 liters per minute, working under 175 atmospheres' pressure. The pumps were developed under the direction of I. Yudin, the plant's chief designer.

BULLDOZER BUILDERS MAKE OWN POWER SYSTEM -- Kiev, Pravda Ukrainy, 11 Apr 51

The Khar'kov Road Machinery Plant has begun to manufacture its own hydraulic power systems for the bulldozers it produces. These hydraulic mechanisms have performed satisfactorily on tests.

PETROLEUM INDUSTRY USES NEW TYPE BULLDOZER -- Tashkent, Pravda Vostoka, 12 Apr 51

The Ministry of the Petroleum Industry is employing a new type of bulldozer. Its bowl can readily be set at any angle, from vertical to horizontal. These machines are freeing many excavators for other work.

This year, machine-building plants of the ministry will build 100 of these bulldozers for work on its new construction activities.

NEW DREDGE HOSE PASSES TESTS -- Moscow, Moskovskaya Pravda, 6 Apr 51

The Moscow Kauchuk Plant has received an order for the manufacture of high-durability hoses for dredges. Some experimental hoses were tested recently and found to be satisfactory. Preparations are now being made to put the hoses into series production.

SEND ASPHALT SPREADERS TO TBILISI -- Tbilisi, Zarya Vostoka, 13 Apr 51

The Bryansk Road Machinery Plant has sent an asphalt spreader to Tbilisi. The machine has a productivity of 80 tons of asphalt per hour.

RENTAL BASE HAS LOADERS, FORK LIFTS -- Riga, Sovetskaya Latvija, 29 Apr 51

The Riga Machine-Rental Base of Construction Trust No 21 now has among its equipment front-end loaders, fork lifts, coal loaders, concrete loaders, concrete mixers, mortar mixers, and compressors.

CONSTRUCTION TOOLS AVAILABLE IN ANY QUANTITY -- Vil'nyus, Sovetskaya Litva, 10 Apr 51

The Minsk office of the Main Administration for Mechanization of Construction (Glavstroyemkhanizatsiya) of the Ministry of Construction- and Road-Machine Building has for sale a large assortment of equipment, including high-frequency 36-volt electric tools, running off current converters; electric drills of various diameters, nut tighteners, screw drivers, shears, hammers, and current converters.

The office is also selling machines for bending concrete-reinforcing rods, machines for cutting them, thread cutting machines, compressors, mortar pumps, tile presses, aluminum frames, hand winches, electric vibrator units, step-down transformers, and electric mortising machines.

These items are available in any quantity, complete with technical instruction pamphlets.

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PNEUMATIC HAMMER GOES INTO PRODUCTION -- Stalinabad, Kommunist Tadzhikistans,  
7 Apr 51

The Stalinabad Motor-Repair Plant has begun to produce the PM-50 pneumatic  
hammer.

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